

DSP-12 and DSP-13 Dual-Specificity Phosphatases

Abstract of the Disclosure

Compositions and methods are provided for the treatment of conditions associated with cell proliferation, cell differentiation and cell survival. In particular, the dual-specificity phosphatases DSP-12 and DSP-13, and polypeptide variants thereof that stimulate dephosphorylation of DSP-12 and DSP-13 substrates, are provided. The polypeptides may be used, for example, to identify antibodies and other agents that inhibit DSP-12 and/or DSP-13 activity. The polypeptides and agents may be used to modulate cell proliferation, differentiation and survival.